

Patent application of

Jon C. Hagerty, Ph.D.

for

**Exhaust Containment System**

**Cross Reference to Related Case:** This application claims benefit of U.S provisional patent serial number 60/440,677, filed on January 18<sup>th</sup>, 2003.

**Background**

**1. Field of Invention:** This invention relates to a system for collecting, filtering, compressing and storing exhausts.

**2. Description of prior Art:** One reference was found relating to exhaust processing. U.S Pat. no. 6,393,836 (Haung, Ta-wei) Describes a treatment device for exhaust of a vehicle. The invention herein described contains filtered exhaust by compressing and storing for recycling.

**Drawing Figures:**

In the drawings Fig. 1 shows a schematic of the system.

**Reference Numerals in Drawing:**

- 10. Exhaust inlet
- 12. Collection vessel
- 14. Filter
- 16. Compressor
- 18. Storage Vessel
- 20. Exhaust outlet valve

**Summary:** In according with the present invention a system collects, filters, compresses and stores exhaust for recycling.

**Description – Fig. 1:** Fig. 1 shows a schematic of the exhaust containment system. 10 is the exhaust inlet, 12 is the collection vessel, 14 the filter, 16 the compressor, 18 the storage vessel and 20 the outlet valve for stored exhaust.

**Operation – Main Embodiment:** The figure describes the invention of an exhaust containment system comprised of an exhaust inlet 10, a collection vessel 12, a filter 14, a compressor 16, a storage vessel 18, and an outlet 20 valve for stored exhaust. Exhaust enters at 10, collects in 12, is filtered at 14, compressed by 16, stored in 18, and recycled through outlet valve 20.

**Conclusions, Ramifications, and Scope:** The invention described herein relates to exhaust containment. A system is described that collects, filters, compresses and stores exhaust. Stored exhausts are recycled thus reducing environmental impact. The